

#### ABSTRACT OF THE DISCLOSURE

A counting system is for counting the number of persons passing a monitor line set in the width direction of a path, and has a laser for irradiating the monitor line with a slit ray, and an image capturing apparatus for photographing an area including the monitor line. In the image capturing apparatus, one-dimensional data indicative of a position in which the slit ray is interrupted on the monitor line is generated from an image obtained by the photographing. On the basis of the one-dimensional data, the number of passing persons is counted. By counting the number of passing persons with the one-dimensional data, a very light computation load for the counting can be achieved.